

Notice of Allowability

Application No.

09/854,437

Examiner

Taghi T. Arani

Applicant(s)

LORTZ, VICTOR B.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/2/2006.
2. ☒ The allowed claim(s) is/are 1-22 and 24-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 4/26/2006.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Taghi T. Arani
Primary Examiner
(Art 213)
Taghi T. Arani
4/26/06

DETAILED ACTION

1. The text of those sections of Title 35 U.S. Code not included in this section can be found in the prior office action.
2. The prior office actions are incorporated herein by reference. In particular, the observations with respect to claim language, and response to previously presented arguments.
3. Claim 23 has been cancelled.
4. Claims 1, 5-8, 12, 15-18, 20 and 26 have been amended.
5. Claims 1-22, 24-30, now re-numbered as claims 1-29 are pending.

EXAMINER'S AMENDMENT

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Crystal D. Sayles on 4/26/2006.

Amendments to the Claims

Claim 23 has been cancelled.

Claims 1, 5-8, 12, 15-18, 20 and 26 have been replaced with:

1. (Currently Amended) A method comprising:
 - receiving a resource request from a first requestor, the resource request including credentials and identifying information regarding an operation to be performed with respect to a resource;
 - mapping the resource request to a resource identifier;
 - translating the resource request to a resource inquiry request, the resource inquiry request including a resource authorization parameter representing ~~the~~ a permission level necessary for a client to perform the operation, the permission level from the group consisting of owner level, editor level, reviewer level and none level;

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searching a resource data structure for a resource node based on the resource identifier;
and

determining whether the first requestor is authorized to perform the operation with respect to the resource based on whether the credentials in the resource request match the resource authorization parameter associated with the resource node.

5. (Currently Amended) The method of claim 1 wherein mapping includes mapping the resource request to the resource identifier and the resource authorization parameter, wherein the resource authorization parameter of the ~~including an~~ owner level authorizes ~~authorizing~~ complete access to the resource.

6. (Currently Amended) The method of claim 1 wherein mapping includes mapping the resource request to the resource identifier and the resource authorization parameter, wherein the resource authorization parameter of the ~~including an~~ editor level authorizes ~~authorizing~~ read/write access to the resource.

7. (Previously Presented) The method of claim 1 wherein mapping includes mapping the resource request to the resource identifier and the resource authorization parameter, wherein the resource authorization parameter of the ~~including a~~ reviewer level authorizes ~~authorizing~~ read only access to the resource.

8. (Previously Presented) The method of claim 1 wherein mapping includes mapping the resource request to the resource identifier and the resource authorization parameter, wherein the resource authorization parameter of the ~~including a~~ none level denies ~~denying~~ all access to the resource.

12. (Currently Amended) An apparatus comprising:

a memory for storing a resource data structure having resource nodes each of which represents a respective resource and which has a respective resource identifier, ~~and~~ a resource authorization credential, and a resource authorization level from the group consisting of owner level, editor level, reviewer level and none level parameter; and

a processor configured to:

receive a resource request from a first requestor, the resource request including credentials and identifying information representing an operation to be performed with respect to a resource;

map the resource request to a resource identifier;

search the resource data structure for a resource node based on the resource identifier; and

determine whether the first requestor is authorized to perform the operation with respect to the resource based on whether the credentials in the resource request match the resource authorization credential and the resource authorization level ~~parameter~~ associated with the resource node.

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15. (Currently Amended) The apparatus of claim 12 wherein the resource authorization level ~~includes an~~ of the owner level authorizes ~~authorizing~~ complete access to the resource.

16. (Currently Amended) The apparatus of claim 12 wherein the resource authorization level ~~includes an~~ of the editor level authorizes ~~authorizing~~ read/write access to the resource.

17. (Currently Amended) The apparatus of claim 12 wherein the resource authorization level ~~includes a~~ of the reviewer level authorizes ~~authorizing~~ read only access to the resource.

18. (Currently Amended) The apparatus of claim 12 wherein the resource authorization level ~~includes a~~ of the none level denies ~~denying~~ all access to the resource.

20. (Currently Amended) A system comprising:

- a first computer associated with a first requestor configured to generate resource requests with credentials;

- a second computer including memory storing a resource data structure with resource nodes each of which represents a respective resource and which has a respective resource identifier, a resource authorization parameter, and a resource authorization level, and the second computer configured to:

- receive a resource request from a first requestor, the resource request including credentials and identifying information representing an operation to be performed with respect to a resource;

- map the resource request to a resource identifier;

- translate the resource request to a resource inquiry request to include the resource authorization parameter, the resource authorization parameter representing a permission level necessary for a client to perform the operation, the permission level from the group consisting of owner level, editor level, reviewer level, and none level;

- search the resource data structure for a resource node based on the resource identifier; and

- determine whether the first requestor is authorized to perform the operation with respect to the resource based on whether the credentials in the resource request match the resource authorization parameter associated with the resource node; and

- a network over which the first and second computers communicate.

26. (Currently Amended) An article comprising a computer readable medium that stores computer executable instructions for causing a computer system to:

- map a resource request to a resource identifier, in response to receiving the resource request from a first requestor, the resource request including credentials and identifying information representing an operation to be performed with respect to a resource;

- translate the resource request to a resource inquiry request, the resource inquiry request including a resource authorization parameter representing the permission level necessary for a client to perform the operation, the permission level from the group consisting of owner level, editor level, reviewer level, and none level;

- search a resource data structure for a resource node based on the resource identifier; and

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determine whether the first requestor is authorized to perform the operation with respect to the resource based on whether the credentials in the resource request match the resource authorization parameter associated with the resource node.

Response to Arguments

7. Applicant's arguments filed 02/02/2006 in view of the Examiner's Amendment have been fully considered and they are persuasive.

Conclusion

8. Prior arts made of record, not relied upon:

US 5,689,708 to Regnier et al. is directed to resource manager in a client/server computer network.

US 6,233,576 to Lewis is directed to a scheme for implanting flexible control of subject authorizations to perform operations in relation to computer resources.

US 6,226,752 to Gupta et al. is directed to method and apparatus for authenticating users.

US 6,353,886 to Howard et al. discusses method and system for secure network policy implementation.

US 2002/01844886 to Kershenbaum et al. is directed to automated program resource identification and association.

US 2003/0018786 to Lortz is directed to resource policy management.

GB 2 357 225 A discusses digital certificates having content specifying an attribute delegation.

IBN Technical Disclosure, Checking Authority of Dataset, vol. 34, Iss. 1, June 1, 1991, pgs 74-77.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taghi T. Arani whose telephone number is (571) 272-3787. The examiner can normally be reached on 8:00-5:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Taghi T. Arani, Ph.D.

Primary Examiner

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4/26/2006